

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Original) A voltage standard apparatus using a voltage standard element comprising a Josephson junction array, the voltage standard apparatus comprising:

Josephson junctions for generating constant voltage by impressing bias current and microwave, wherein the Josephson junction devices are grouped into sections based on the n th power of 3, wherein at least one bias current terminal is provided for each of the sections;

a bias current supplying circuit for independently impressing bias current having predetermined value to the bias current terminals; and

a controlling circuit for impressing predetermined bias current to the sections of Josephson junction array and controlling impression of microwave.

2. (Original) The voltage standard apparatus according to claim 1, further including a binary/ternary code converter wherein the controlling circuit is operated by binary code.

3. (Currently amended) The voltage standard apparatus according to ~~claim 3~~ to claim 2, the binary/ternary code converter is provided in the controlling circuit.